

# Our Endpoint Security Recommendation The future of NIST SP800-193-compliant computers starts now

## The need for advanced end points will grow in Japan as well

HP Japan computers that comply with the newly defined NIST cyber security standard are designed for security and mobility. These reliable computers enable all kinds of users to conduct business with a sense of security.

### New cyber security standards: What is the NIST (National Institute of Standards and Technology)?

The National Institute of Standards and Technology is a U.S. Department of Commerce organization that researches measurement and standards in science and technology fields.



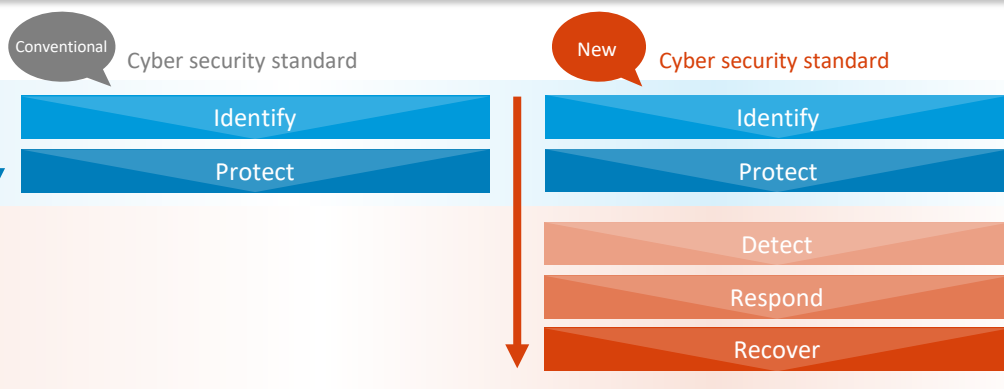
NIST is home to ITL\*<sup>1</sup>, a lab which researches information technology. ITL carries out research in six information technology fields\*<sup>2</sup>. Within ITL, there is a department, named CSD\*<sup>3</sup>, which performs research regarding computers and issues various publications. The CSD also publishes documents such as the FIPS and SP800 series documents.

SP800 series

The SP800 series of reports are computer security reports issued by the CSD. These documents were prepared by a U.S. governmental organization as prerequisites for the implementation of security measures. They cover security management, risk management, security technology, indices for evaluating the state of security measures, security training, incident handling, and more.

\*1 Information Technology Laboratory \*2 Security, Information Access, Mathematics and Computational Science, Software Testing, Networking Research, and Statistical Engineering \*3 Computer Security Division

### New cyber security standards provided by NIST



### Security function that exceeds the requirements of the NIST SP800-193 standard:

NIST SP800-193 is part of the Special Publication series. It was published in May 2018 to provide guidance regarding platform and firmware resilience. In addition to the defense provided by safe, secure update mechanisms for system firmware in NIST SP800-147, issued in April 2011, it also includes items related to detection and recovery, further enhancing platform resilience. It is likely to become a standard of cyber security for platforms, including computers.



#### HP Sure Start complies with NIST SP800-193

A self-recovering BIOS developed by HP. HP Endpoint Security Controller checks for BIOS tampering. If it detects that an attack has tampered with the BIOS, it automatically restores it to its correct, untampered state.

# Security function that exceeds the requirements of the NIST SP800-193 standard: HP Sure Start G4

		HP Sure Start
Protect	Root of Trust for Updates (RTU)	NIST standard-compliant
	Rewritable code protection and updating	NIST standard-compliant
	Un-rewritable code protection	NIST standard-compliant
	Runtime protection for critical platform FW	NIST standard-compliant
	Critical data protection	NIST standard-compliant
Detect	Root of Trust for Detection (RTD)	NIST standard-compliant
	Damaged code detection	NIST standard-compliant
	Damaged critical data detection	NIST standard-compliant
	Logging and notification	NIST standard or above
	Policy-based control	NIST standard or above
	Runtime intrusion detection	NIST standard or above
Recover	Physical attack detection	NIST standard or above
	Root of Trust for Recovery (RTRec)	NIST standard-compliant
	Rewritable code recovery	NIST standard-compliant
	Critical data recovery	NIST standard-compliant
	Automatic/manual recovery options	NIST standard or above
	Local/remote recovery	NIST standard or above
	Rollback prevention	NIST standard or above

## Lineup of products with HP Sure Start G4

### HP EliteBook 800 G5 series

Beautiful design and state-of-the-art security. A notebook with carefully designed collaboration functions for the work styles of tomorrow.



**Incredible toughness**  
Passes both U.S. military procurement standard testing and our own in-house testing

**High performance graphics**  
Uses the AMD Radeon RTX540 \*  
EliteBook 850 G5

**LTE support**  
Supports the main three bands used by Japanese carriers

**Fast charging**  
Fast charging to 50% in just 30 minutes  
Also supports USB-C charging

### HP EliteBook x360 1030 G3

Multiple modes of for all types of usage scenarios. A convertible notebook computer that lets users drive the business of the future, from anywhere, at any time.



**Incredible toughness**  
Passes both U.S. military procurement standard testing and our own in-house testing

**HP Sure View**  
One-touch protection from peeking, preventing information leakage

**LTE support**  
Supports the main three bands used by Japanese carriers

**Fast charging**  
Fast charging to 50% in just 30 minutes  
Also supports USB-C charging

## Global partnership

Gateway Computer Co., Ltd.

Gateway Computer has been providing multi-national companies with a wide range of IT support services for more than 36 years. We are experts in HP Global Model and solutions as a "HP Certified Global Account Partner".

For further information or inquiries, please feel free to contact us.



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